

QUARTERLY PROGRAMMATIC REPORT

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 Project Manager Graham Matthews
 CALFED Project # 97-N07
 Quarter Ending 12/31/98

	Name of Deliverable	Due Date	% of Work Complete	Date Deliverable Complete
Task 1	Final Report*	03-01-99		
Subtask 1	Compile Existing Information	09-01-98	65%	----
Subtask 2	Channel Survey	11-01-98	5%	----
Subtask 3	Hydrologic Analysis	10-01-98	50%	----
Subtask 4	Geomorphic Analysis	01-01-99	54%	----
Subtask 5	Final Report Preparation	03-01-99	0%	----

* The only deliverable for this task is the final report describing study methods, data collected, data analysis, and conclusions.

Task 2				
Subtask 1	Detailed Site Surveying (site maps)	11-01-98	80%	----
Subtask 2	Design Development		0%	----
	Construction drawings	04-15-99		
	Design memorandum	04-15-99		
Subtask 3	Implementation	06-30-99	0%	----
	Coordination			
	(Copies of permits applications)			

Narrative

1. Description of activities performed during the quarter, by task.

TASK 1:

Sub-Task 1: Compile Existing Information

Previous Reports: We continue acquiring and reviewing existing information.

Aerial Photographs: We have continued to acquire historic aerial photography, in preparation for channel mapping efforts. We had a new aerial flight of the entire study area made in early November 1998, and have had enlargements made to assist in locating USGS cross sections.

Historic Cross Section/Profile Surveys: We have entered USGS cross section data and are

attempting to interview original USGS study members to assist in relocating the 1983 cross sections. The original field notes provide only cursory descriptions of the section locations, which are generally inadequate to relocate the section locations after this long a time period.

Sub-Task 2: Channel Surveys

Channel surveys began in late October 1998. We first set horizontal and vertical control at numerous locations along the stream channel using survey grade GPS equipment. We have surveyed the longitudinal profile from the Sacramento River to Interstate 5, and are continuing to work upstream. We expect to begin cross section surveys in early January, weather and streamflows permitting.

Sub-Task 3: Hydrologic Analyses

We have completed the majority of our hydrologic analyses, including streamflow analysis of annual runoff, mean daily discharge, peak discharge and flow duration. Precipitation data have been analyzed.

TASK 2:

Sub-Task 1: Detailed Site Surveying

We have nearly completed detailed topographic mapping of the proposed restoration project study area. Several thousand individual survey points have been collected using both kinematic GPS and total station survey equipment to accurately define site topography. A draft map has been prepared.

2. Problems and delays encountered by task.

Task 1, Sub-Task 2: Channel Surveys

Due to a very wet November, parts of our budgeted field time could not be completed. Fortunately, December was quite dry, and with low streamflows, we have been able to continue our surveys. However, we remain quite some time behind our expected progress on this task. If weather and streamflows permit, we should complete all of our field surveys by February 1. We have also had trouble obtaining reliable information with which to relocate the USGS cross sections. If we are not able to obtain this information by mid January, we will need to proceed with the surveys, locating the sections with the best information available to us.

3. Other issues or comments.

4. Please identify your projected expenses for each of the next three months in the following quarter to assist in the timing of State bond sales which fund this project.

Month 1 \$ 8,000 Month 2 \$ 10,000 Month 3 \$ 10,000 Total for quarter \$ 28,000

CALFED Project Name: Cottonwood Creek Geomorphic Analysis Bengard Ranch
 Recipient: Graham Matthews & Associates
 CALFED Project # 97-N07

Budget Year: 1999
 Statement Quarter: 1

Total Estimated Cost of Phase I: \$71,000
 Funding from Federal Bay-Delta Account: 61,000
 Funding provided by private landowner: 10,000

Phase I schedule: 1 year
 Projected Phase II schedule: 1 year
 Total Project Estimated Completion Date: 2 years

				PHASE I (Quarterly Budget)			PHASE I (FY '99 Budget)			PHASE I (Three Year Budget)		
				Budget	Accrued Expenditures	Variance **	Budget	Accrued Expenditures	Remaining Balance **	Budget	Accrued Expenditures	Balance to Complete **
Task 1: Geomorphic Analysis				\$17,000	\$6,689	\$10,311	\$24,167	\$6,689	\$17,478	\$32,000	\$10,489	\$21,511
Schedule: FY '98 through FY '99												
Percent Work Complete for Task												
1a	Complete Existing Information	33%		0	150	-150	0	150	1,050	3,000	1,950	1,050
1b	Channel Geometry			5,500	0	5,500	6,667	0	9,500	10,000	500	9,500
1c	Hydrologic Analysis			1,500	0	1,500	1,500	0	1,500	3,000	1,500	1,500
1d	Geomorphic Analysis			10,000	6,539	3,461	12,000	6,539	5,461	12,000	6,539	5,461
1e	Report Preparation			0	0	0	4,000	0	4,000	4,000	0	4,000
Task 2: Channel / Riparian Restoration Design				\$7,000	\$3,990	\$3,010	\$29,000	\$3,990	\$25,010	\$29,000	\$3,990	\$25,010
Schedule: FY '98 through FY '00												
Percent Work Complete for Task												
2a	Detailed Site Mapping	14%		5,000	3,990	1,010	6,000	3,990	2,010	6,000	3,990	2,010
2b	Design Development			2,000	0	2,000	19,000	0	19,000	19,000	0	19,000
2c	Project Implementation Coordination			0	0	0	4,000	0	4,000	4,000	0	4,000
Phase I Total:				\$24,000	\$10,679	\$13,321	\$53,167	\$10,679	\$42,488	\$81,000	\$14,479	\$66,521

We budget to the Sub-task level only if they are active during the Quarter in question. If a subtask is complete, the subtask cost rolls-up into the Task level.

** Please explain significant variance.

** Explanation of Variance in Budget:

** The wet November affected our ability to complete field surveys in a timely fashion.

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